

*AMENDMENTS TO THE CLAIMS*

1. (Currently Amended) ~~Local~~ A local communications network providing communication between a ~~first~~ mobile station, ~~such as a mobile telephone~~, and a ~~second~~ fixed station, ~~such as a fixed line telephone~~, through a relay antenna and a data transmission link which links the antenna to a fixed radio frequency station, ~~characterized in that~~ wherein the transmission link is a wireless radio frequency transmission link ~~(6)~~.

2. (Currently Amended) ~~Communications~~ The local communications network in accordance with Claim 1, ~~characterized in that~~ wherein the wireless radio frequency transmission link ~~(6)~~ includes means for transmitting and receiving signals at ~~a frequency~~ frequencies between 400 MHz and 18 GHz, ~~the frequency being chosen within this frequency range.~~

3. (Currently Amended) ~~Network~~ The local communications network in accordance with Claim 2, ~~characterized in that~~ wherein the wireless ~~connection (6)~~ is equipped with an radio frequency transmission link includes a first electronic device ~~(12)~~ associated with the antenna ~~(5)~~ and ~~an~~ a second electronic device ~~(13)~~ associated with the fixed radio frequency station ~~(7)~~ and a wireless transmission channel ~~(14)~~ between these two connecting the first and second electronic devices.

4. (Currently Amended) ~~Network~~ The local communications network in accordance with Claim 3, ~~characterized in that~~ wherein the ~~antenna~~ first electronic device ~~(12)~~ includes means for analog/digital conversion ~~(18)~~ and ~~station~~ the second electronic device ~~(13)~~ includes means for digital/analog conversion ~~(20)~~.

5. (Currently Amended) ~~Network~~ The local communications network in accordance with ~~either of Claims~~ Claim 3 or 4, ~~characterized in that~~ wherein the ~~antenna~~ first and station second electronic devices ~~(13)~~ include means for compressing or decompressing the signal to be transmitted.

6. (Currently Amended) ~~Network~~ The local communications network in accordance with ~~any of Claims 1-5~~ Claim 3, ~~characterized in that, in the case of including~~ a multiband antenna ~~(5), antenna~~, wherein the first electronic device ~~(12)~~ includes means for identifying ~~the~~ a channel on which ~~the~~ signals to be transmitted are received by the antenna.

7. (Currently Amended) ~~Network~~ The local communications network in accordance with ~~any of Claims 1-6~~ Claim 3, ~~characterized in that~~ wherein the ~~antenna~~ first electronic device ~~(12)~~ includes means ~~to verify~~ for verifying the presence of a station ~~(7) capable of~~ for functioning at ~~the~~ a frequency at which ~~the~~ signals to be transmitted are received by the antenna ~~(5)~~.

8. (Currently Amended) ~~Network~~ The local communications network in accordance with ~~any of Claims~~ Claim 1-7, ~~characterized in that it includes~~ including several stations ~~(7)~~, each of which is ~~capable of~~ station functioning at a predetermined frequency, ~~these stations being capable of~~ and communicating with ~~an appropriate~~ a multi-band antenna.

9. (New) The local communications network in accordance with Claim 4, wherein the first and second electronic devices include means for compressing or decompressing the signal to be transmitted.

10. (New) The local communications network in accordance with Claim 4, including a multiband antenna, wherein the first electronic device includes means for identifying a channel on which signals to be transmitted are received by the antenna.

11 (New) The local communications network in accordance with Claim 5, including a multiband antenna, wherein the first electronic device includes means for identifying a channel on which signals to be transmitted are received by the antenna.

12. (New) The local communications network in accordance with Claim 4, wherein the first electronic device includes means for verifying the presence of a station for functioning at a frequency at which signals to be transmitted are received by the antenna.

13. (New) The local communications network in accordance with Claim 5, wherein the first electronic device includes means for verifying the presence of a station for functioning at a frequency at which signals to be transmitted are received by the antenna.

14. (New) The local communications network in accordance with Claim 6, wherein the first electronic device includes means for verifying the presence of a station for functioning at a frequency at which signals to be transmitted are received by the antenna.